

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P248390

Luminaire Tested: **LSR8B70D010 EC8B70935 8LBDW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13956)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70935 8LBDW0LI
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6745.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.33 / 1.2
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

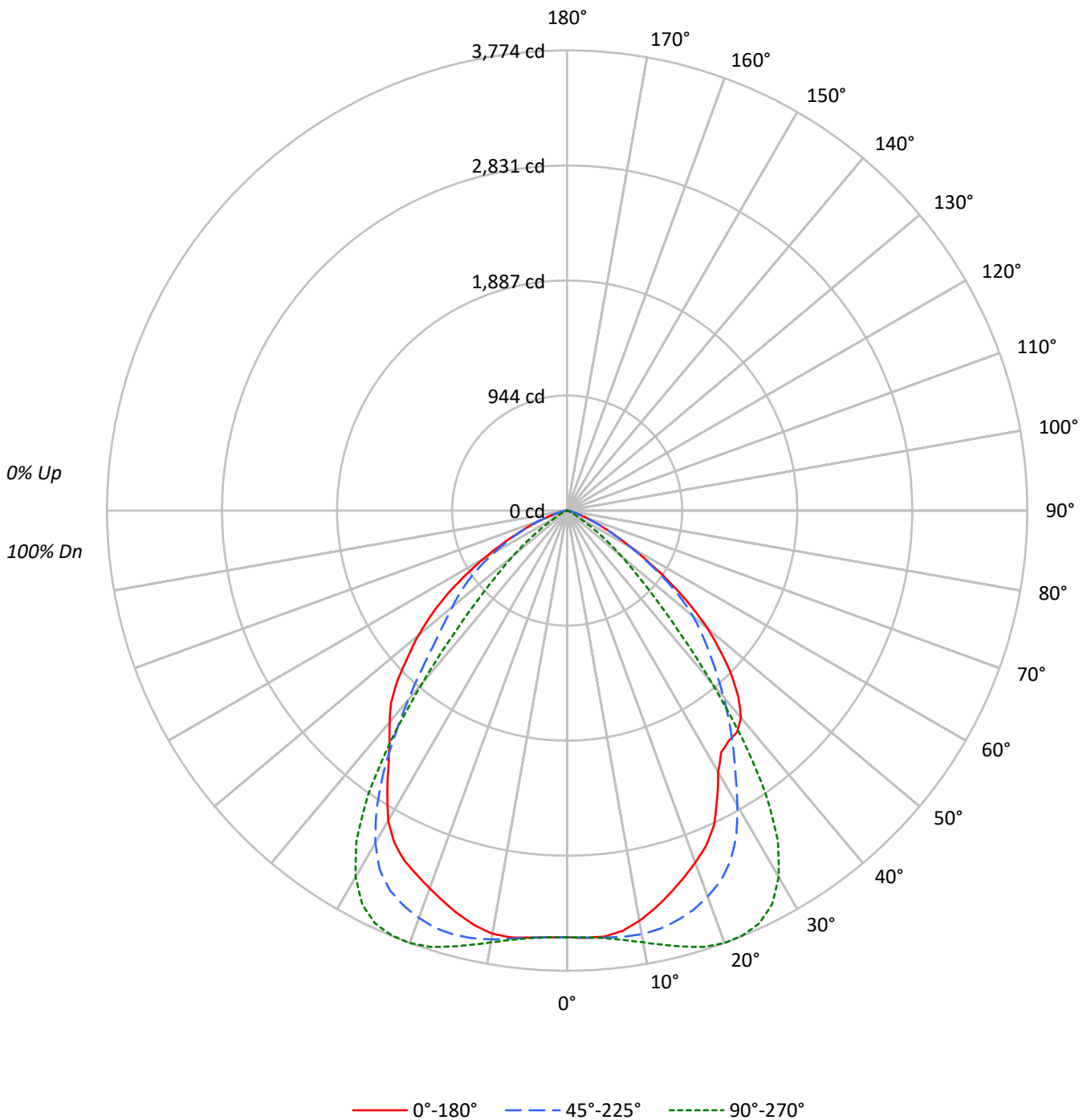
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248390

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Luminous Intensity Polar Plot





TEST NUMBER: P248390

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBDW0LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 92 | 90 |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 79 |
| 3 | 97 | 88 | 82 | 76 | 94 | 87 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 |
| 5 | 84 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 63 | 59 | 68 | 62 | 58 | 66 | 61 | 58 | 56 |
| 6 | 78 | 66 | 59 | 53 | 76 | 66 | 58 | 53 | 64 | 57 | 53 | 62 | 57 | 52 | 61 | 56 | 52 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 107899 | 107899 | 107899 |
| 5° | 108541 | 108943 | 108828 |
| 10° | 106946 | 112589 | 110378 |
| 15° | 103820 | 118167 | 109512 |
| 20° | 100805 | 123845 | 108182 |
| 25° | 96935 | 127015 | 107679 |
| 30° | 88219 | 123534 | 104488 |
| 35° | 86905 | 107041 | 96132 |
| 40° | 89267 | 74240 | 91135 |
| 45° | 83102 | 44869 | 85692 |
| 50° | 72079 | 27709 | 76358 |
| 55° | 55315 | 14478 | 64804 |
| 60° | 37682 | 5840 | 48906 |
| 65° | 23444 | 2984 | 33739 |
| 70° | 12721 | 1839 | 20592 |
| 75° | 6636 | 882 | 12176 |
| 80° | 2966 | 994 | 6588 |
| 85° | 1981 | 672 | 5909 |



TEST NUMBER: P248390

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 336.5 | 5.0 |
| 10°-20° | 996.8 | 14.8 |
| 20°-30° | 1520.8 | 22.5 |
| 30°-40° | 1587.0 | 23.5 |
| 40°-50° | 1192.0 | 17.7 |
| 50°-60° | 733.4 | 10.9 |
| 60°-70° | 298.5 | 4.4 |
| 70°-80° | 70.3 | 1.0 |
| 80°-90° | 9.7 | 0.1 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 2854.1 | 42.3 |
| 0°-40° | 4441.1 | 65.8 |
| 0°-60° | 6366.5 | 94.4 |
| 0°-90° | 6745.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6745.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3499 | 3499 | 3499 | 3499 | 3499 | |
| 5° | 3506 | 3516 | 3520 | 3516 | 3516 | 332 |
| 15° | 3252 | 3480 | 3702 | 3599 | 3430 | 916 |
| 25° | 2849 | 3168 | 3733 | 3438 | 3165 | 1295 |
| 35° | 2309 | 2374 | 2844 | 2628 | 2554 | 1458 |
| 45° | 1906 | 1649 | 1029 | 1536 | 1965 | 1454 |
| 55° | 1029 | 977 | 269 | 977 | 1205 | 925 |
| 65° | 321 | 325 | 41 | 436 | 462 | 335 |
| 75° | 56 | 56 | 7 | 98 | 102 | 67 |
| 85° | 6 | 6 | 2 | 13 | 17 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248390

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 |
| 2.5° | 3508.4 | 3502.8 | 3508.4 | 3508.4 | 3510.2 | 3506.5 | 3508.4 | 3510.2 | 3506.5 | 3506.5 | 3506.5 |
| 5° | 3506.5 | 3502.8 | 3506.5 | 3504.7 | 3508.4 | 3508.4 | 3512.1 | 3512.1 | 3515.8 | 3515.8 | 3521.4 |
| 7.5° | 3476.8 | 3469.4 | 3476.8 | 3482.4 | 3486.1 | 3493.5 | 3502.8 | 3510.2 | 3517.7 | 3525.1 | 3534.4 |
| 10° | 3415.5 | 3415.5 | 3421.1 | 3432.2 | 3443.4 | 3456.4 | 3473.1 | 3491.7 | 3510.2 | 3526.9 | 3543.6 |
| 12.5° | 3339.4 | 3333.8 | 3344.9 | 3359.8 | 3376.5 | 3397.0 | 3422.9 | 3450.8 | 3480.5 | 3513.9 | 3540.0 |
| 15° | 3252.1 | 3246.5 | 3259.5 | 3274.3 | 3294.8 | 3324.5 | 3356.1 | 3393.2 | 3435.9 | 3480.5 | 3523.2 |
| 17.5° | 3162.9 | 3161.1 | 3174.1 | 3194.5 | 3211.2 | 3242.8 | 3283.7 | 3328.2 | 3376.5 | 3435.9 | 3491.7 |
| 20° | 3071.9 | 3070.1 | 3083.1 | 3099.8 | 3122.1 | 3151.8 | 3192.6 | 3244.6 | 3302.2 | 3369.1 | 3434.1 |
| 22.5° | 2977.2 | 2979.0 | 2990.2 | 3008.8 | 3027.4 | 3058.9 | 3101.6 | 3153.6 | 3216.8 | 3289.2 | 3361.6 |
| 25° | 2849.0 | 2839.8 | 2854.6 | 2873.2 | 2904.7 | 2930.7 | 2971.6 | 3027.4 | 3092.3 | 3168.5 | 3253.9 |
| 27.5° | 2663.3 | 2661.4 | 2674.5 | 2691.2 | 2719.0 | 2750.6 | 2795.2 | 2852.8 | 2921.5 | 3005.0 | 3088.6 |
| 30° | 2477.6 | 2481.3 | 2486.9 | 2503.6 | 2522.2 | 2553.7 | 2598.3 | 2646.6 | 2711.6 | 2791.5 | 2880.6 |
| 32.5° | 2351.3 | 2351.3 | 2358.7 | 2369.9 | 2382.9 | 2399.6 | 2431.2 | 2466.4 | 2516.6 | 2572.3 | 2637.3 |
| 35° | 2308.6 | 2301.2 | 2308.6 | 2310.4 | 2312.3 | 2316.0 | 2321.6 | 2332.7 | 2349.4 | 2373.6 | 2397.7 |
| 37.5° | 2290.0 | 2284.4 | 2284.4 | 2277.0 | 2267.7 | 2256.6 | 2241.7 | 2225.0 | 2206.5 | 2182.3 | 2163.7 |
| 40° | 2217.6 | 2213.9 | 2210.1 | 2202.7 | 2182.3 | 2160.0 | 2135.8 | 2096.8 | 2054.1 | 1994.7 | 1935.3 |
| 42.5° | 2078.3 | 2074.6 | 2072.7 | 2057.8 | 2039.3 | 2013.3 | 1985.4 | 1944.6 | 1890.7 | 1814.5 | 1729.1 |
| 45° | 1905.6 | 1898.1 | 1892.6 | 1879.6 | 1866.5 | 1844.3 | 1818.3 | 1781.1 | 1727.2 | 1649.3 | 1547.1 |
| 47.5° | 1705.0 | 1701.2 | 1699.4 | 1693.8 | 1680.8 | 1667.8 | 1651.1 | 1621.4 | 1573.1 | 1498.8 | 1393.0 |
| 50° | 1502.5 | 1495.1 | 1498.8 | 1497.0 | 1491.4 | 1482.1 | 1470.9 | 1450.5 | 1413.4 | 1346.5 | 1249.9 |
| 52.5° | 1270.3 | 1270.3 | 1268.5 | 1274.1 | 1275.9 | 1274.1 | 1275.9 | 1253.7 | 1222.1 | 1171.9 | 1090.2 |
| 55° | 1028.9 | 1028.9 | 1034.5 | 1041.9 | 1049.4 | 1051.2 | 1049.4 | 1040.1 | 1017.8 | 976.9 | 904.5 |
| 57.5° | 802.3 | 798.6 | 809.8 | 820.9 | 828.4 | 835.8 | 830.2 | 822.8 | 809.8 | 776.3 | 720.6 |
| 60° | 611.0 | 611.0 | 618.5 | 625.9 | 633.3 | 640.8 | 638.9 | 637.0 | 625.9 | 603.6 | 559.1 |
| 62.5° | 449.4 | 451.3 | 451.3 | 456.9 | 464.3 | 471.8 | 477.3 | 471.8 | 466.2 | 451.3 | 421.6 |
| 65° | 321.3 | 319.4 | 321.3 | 326.9 | 332.5 | 339.9 | 343.6 | 341.7 | 336.2 | 325.0 | 302.7 |
| 67.5° | 215.5 | 213.6 | 221.0 | 222.9 | 226.6 | 234.0 | 232.2 | 234.0 | 232.2 | 222.9 | 204.3 |
| 70° | 141.1 | 137.4 | 141.1 | 139.3 | 144.9 | 146.7 | 150.4 | 152.3 | 150.4 | 144.9 | 139.3 |
| 72.5° | 87.3 | 85.4 | 87.3 | 89.2 | 91.0 | 92.8 | 96.6 | 96.6 | 94.7 | 91.0 | 83.6 |
| 75° | 55.7 | 50.1 | 52.0 | 48.3 | 52.0 | 52.0 | 55.7 | 57.6 | 55.7 | 55.7 | 52.0 |
| 77.5° | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 35.3 | 37.1 | 33.4 | 31.6 |
| 80° | 16.7 | 16.7 | 18.6 | 18.6 | 18.6 | 20.4 | 18.6 | 18.6 | 18.6 | 20.4 | 14.9 |
| 82.5° | 13.0 | 11.1 | 11.1 | 11.1 | 13.0 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 |
| 85° | 5.6 | 7.4 | 5.6 | 3.7 | 5.6 | 5.6 | 7.4 | 5.6 | 5.6 | 5.6 | 7.4 |
| 87.5° | 1.9 | 1.9 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 1.9 | 1.9 | 3.7 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P248390

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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 |
| 2.5° | 3508.4 | 3504.7 | 3504.7 | 3502.8 | 3506.5 | 3502.8 | 3504.7 | 3502.8 | 3502.8 | 3506.5 | 3502.8 |
| 5° | 3521.4 | 3523.2 | 3519.5 | 3517.7 | 3523.2 | 3523.2 | 3523.2 | 3519.5 | 3519.5 | 3521.4 | 3519.5 |
| 7.5° | 3540.0 | 3543.6 | 3545.5 | 3547.4 | 3551.1 | 3553.0 | 3553.0 | 3551.1 | 3549.2 | 3554.8 | 3547.4 |
| 10° | 3560.4 | 3566.0 | 3577.1 | 3582.7 | 3592.0 | 3592.0 | 3595.7 | 3595.7 | 3592.0 | 3595.7 | 3593.8 |
| 12.5° | 3553.0 | 3586.4 | 3605.0 | 3617.9 | 3630.9 | 3642.1 | 3645.8 | 3647.7 | 3645.8 | 3653.3 | 3645.8 |
| 15° | 3566.0 | 3593.8 | 3623.5 | 3645.8 | 3669.9 | 3682.9 | 3686.7 | 3701.5 | 3705.2 | 3707.1 | 3696.0 |
| 17.5° | 3545.5 | 3595.7 | 3627.2 | 3660.7 | 3696.0 | 3720.1 | 3742.4 | 3751.7 | 3753.6 | 3757.2 | 3742.4 |
| 20° | 3499.1 | 3554.8 | 3603.1 | 3651.4 | 3692.3 | 3729.4 | 3748.0 | 3774.0 | 3766.6 | 3781.4 | 3761.0 |
| 22.5° | 3435.9 | 3499.1 | 3560.4 | 3623.5 | 3666.3 | 3710.8 | 3749.8 | 3768.4 | 3777.7 | 3777.7 | 3755.4 |
| 25° | 3335.7 | 3410.0 | 3476.8 | 3541.8 | 3606.8 | 3660.7 | 3705.2 | 3733.1 | 3738.7 | 3736.8 | 3710.8 |
| 27.5° | 3179.6 | 3259.5 | 3337.5 | 3411.8 | 3491.7 | 3554.8 | 3606.8 | 3640.2 | 3649.5 | 3649.5 | 3621.7 |
| 30° | 2964.2 | 3049.6 | 3125.8 | 3214.9 | 3296.7 | 3367.2 | 3439.7 | 3469.4 | 3486.1 | 3486.1 | 3454.5 |
| 32.5° | 2707.9 | 2780.3 | 2850.9 | 2938.2 | 3027.4 | 3107.2 | 3175.9 | 3216.8 | 3237.2 | 3235.4 | 3207.5 |
| 35° | 2429.3 | 2464.6 | 2518.5 | 2583.5 | 2663.3 | 2737.6 | 2804.5 | 2843.5 | 2878.8 | 2876.9 | 2850.9 |
| 37.5° | 2150.7 | 2141.4 | 2147.0 | 2171.1 | 2221.3 | 2273.3 | 2325.3 | 2362.5 | 2392.1 | 2405.2 | 2399.6 |
| 40° | 1877.7 | 1829.4 | 1783.0 | 1766.3 | 1770.0 | 1788.5 | 1816.4 | 1844.3 | 1877.7 | 1894.4 | 1901.8 |
| 42.5° | 1632.5 | 1550.8 | 1469.1 | 1407.8 | 1372.5 | 1361.4 | 1374.4 | 1383.6 | 1404.1 | 1428.2 | 1452.4 |
| 45° | 1435.7 | 1326.1 | 1218.4 | 1123.7 | 1064.2 | 1028.9 | 1021.5 | 1028.9 | 1040.1 | 1064.2 | 1095.8 |
| 47.5° | 1274.1 | 1145.9 | 1025.2 | 919.3 | 832.0 | 785.6 | 772.6 | 768.9 | 780.0 | 802.3 | 845.0 |
| 50° | 1131.1 | 1002.9 | 869.2 | 746.6 | 655.6 | 603.6 | 585.0 | 577.6 | 590.6 | 607.3 | 646.3 |
| 52.5° | 975.1 | 848.8 | 711.3 | 592.5 | 497.8 | 443.9 | 423.4 | 412.3 | 419.7 | 442.0 | 481.0 |
| 55° | 806.0 | 689.0 | 564.6 | 442.0 | 351.0 | 300.9 | 276.7 | 269.3 | 276.7 | 300.9 | 339.9 |
| 57.5° | 637.0 | 538.6 | 434.6 | 319.4 | 237.7 | 187.6 | 163.4 | 156.0 | 176.5 | 185.7 | 226.6 |
| 60° | 497.8 | 417.9 | 328.7 | 234.0 | 163.4 | 124.4 | 100.3 | 94.7 | 104.0 | 120.7 | 154.1 |
| 62.5° | 373.3 | 323.2 | 252.6 | 167.1 | 120.7 | 79.8 | 66.8 | 61.3 | 66.8 | 79.8 | 105.9 |
| 65° | 271.2 | 232.2 | 176.5 | 122.6 | 81.7 | 59.4 | 44.6 | 40.9 | 46.4 | 55.7 | 78.0 |
| 67.5° | 185.7 | 156.0 | 122.6 | 85.4 | 55.7 | 37.1 | 31.6 | 31.6 | 33.4 | 40.9 | 57.6 |
| 70° | 120.7 | 102.2 | 78.0 | 55.7 | 37.1 | 27.9 | 24.1 | 20.4 | 24.1 | 29.7 | 39.0 |
| 72.5° | 76.2 | 65.0 | 50.1 | 39.0 | 27.9 | 20.4 | 16.7 | 14.9 | 18.6 | 22.3 | 29.7 |
| 75° | 46.4 | 35.3 | 26.0 | 20.4 | 14.9 | 14.9 | 14.9 | 7.4 | 9.3 | 14.9 | 18.6 |
| 77.5° | 27.9 | 24.1 | 20.4 | 16.7 | 13.0 | 7.4 | 7.4 | 7.4 | 9.3 | 11.1 | 16.7 |
| 80° | 14.9 | 13.0 | 9.3 | 9.3 | 7.4 | 5.6 | 7.4 | 5.6 | 3.7 | 9.3 | 11.1 |
| 82.5° | 9.3 | 7.4 | 7.4 | 7.4 | 9.3 | 3.7 | 5.6 | 3.7 | 5.6 | 7.4 | 5.6 |
| 85° | 5.6 | 5.6 | 5.6 | 3.7 | 9.3 | 3.7 | 3.7 | 1.9 | 1.9 | 3.7 | 3.7 |
| 87.5° | 0.0 | 1.9 | 1.9 | 0.0 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P248390

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 | 3499.1 |
| 2.5° | 3504.7 | 3502.8 | 3504.7 | 3502.8 | 3502.8 | 3502.8 | 3504.7 | 3504.7 | 3502.8 | 3502.8 | 3506.5 |
| 5° | 3519.5 | 3519.5 | 3519.5 | 3517.7 | 3515.8 | 3515.8 | 3519.5 | 3519.5 | 3513.9 | 3519.5 | 3519.5 |
| 7.5° | 3551.1 | 3545.5 | 3551.1 | 3543.6 | 3540.0 | 3541.8 | 3543.6 | 3540.0 | 3536.2 | 3538.1 | 3538.1 |
| 10° | 3592.0 | 3586.4 | 3586.4 | 3580.8 | 3575.2 | 3571.5 | 3567.8 | 3558.5 | 3549.2 | 3547.4 | 3540.0 |
| 12.5° | 3640.2 | 3630.9 | 3625.4 | 3614.2 | 3605.0 | 3592.0 | 3580.8 | 3566.0 | 3547.4 | 3534.4 | 3521.4 |
| 15° | 3688.5 | 3673.7 | 3660.7 | 3642.1 | 3621.7 | 3599.4 | 3575.2 | 3551.1 | 3521.4 | 3495.4 | 3473.1 |
| 17.5° | 3727.5 | 3707.1 | 3682.9 | 3653.3 | 3623.5 | 3590.1 | 3554.8 | 3519.5 | 3476.8 | 3443.4 | 3417.4 |
| 20° | 3740.5 | 3710.8 | 3679.3 | 3640.2 | 3601.2 | 3554.8 | 3510.2 | 3463.8 | 3415.5 | 3380.2 | 3350.5 |
| 22.5° | 3723.8 | 3688.5 | 3649.5 | 3608.7 | 3556.6 | 3506.5 | 3454.5 | 3400.6 | 3357.9 | 3309.7 | 3281.8 |
| 25° | 3677.4 | 3634.7 | 3592.0 | 3543.6 | 3493.5 | 3437.8 | 3382.1 | 3326.4 | 3274.3 | 3248.4 | 3213.1 |
| 27.5° | 3582.7 | 3536.2 | 3489.8 | 3439.7 | 3382.1 | 3326.4 | 3268.8 | 3214.9 | 3170.4 | 3135.1 | 3114.7 |
| 30° | 3415.5 | 3361.6 | 3307.8 | 3253.9 | 3203.8 | 3146.2 | 3092.3 | 3047.8 | 3003.2 | 2975.3 | 2954.9 |
| 32.5° | 3159.2 | 3110.9 | 3057.1 | 3005.0 | 2958.6 | 2910.3 | 2865.8 | 2826.8 | 2795.2 | 2776.6 | 2761.7 |
| 35° | 2813.8 | 2765.5 | 2724.6 | 2687.5 | 2648.4 | 2628.0 | 2600.2 | 2577.9 | 2564.9 | 2557.5 | 2555.6 |
| 37.5° | 2379.1 | 2351.3 | 2338.3 | 2330.9 | 2323.4 | 2317.9 | 2321.6 | 2330.9 | 2338.3 | 2351.3 | 2366.1 |
| 40° | 1914.8 | 1939.0 | 1946.4 | 1972.4 | 1996.5 | 2028.1 | 2063.4 | 2104.3 | 2137.7 | 2180.4 | 2210.1 |
| 42.5° | 1491.4 | 1536.0 | 1588.0 | 1643.7 | 1703.1 | 1760.7 | 1831.3 | 1896.3 | 1955.7 | 2009.5 | 2056.0 |
| 45° | 1145.9 | 1214.6 | 1292.7 | 1372.5 | 1452.4 | 1536.0 | 1621.4 | 1701.2 | 1771.8 | 1829.4 | 1877.7 |
| 47.5° | 893.3 | 969.5 | 1069.8 | 1168.2 | 1264.8 | 1363.2 | 1457.9 | 1541.5 | 1601.0 | 1656.7 | 1699.4 |
| 50° | 707.6 | 794.9 | 904.5 | 1017.8 | 1123.7 | 1227.6 | 1327.9 | 1406.0 | 1465.4 | 1510.0 | 1541.5 |
| 52.5° | 547.9 | 651.9 | 763.3 | 882.2 | 995.5 | 1108.8 | 1201.6 | 1274.1 | 1322.4 | 1361.4 | 1385.5 |
| 55° | 408.6 | 510.7 | 629.6 | 752.2 | 867.3 | 976.9 | 1064.2 | 1127.4 | 1170.1 | 1192.4 | 1205.4 |
| 57.5° | 295.3 | 388.2 | 507.0 | 629.6 | 733.6 | 837.6 | 908.2 | 965.8 | 989.9 | 1002.9 | 1008.5 |
| 60° | 215.5 | 300.9 | 406.7 | 512.6 | 611.0 | 694.6 | 755.9 | 794.9 | 813.5 | 820.9 | 819.0 |
| 62.5° | 157.9 | 232.2 | 323.2 | 412.3 | 492.2 | 560.9 | 609.2 | 635.2 | 644.5 | 648.2 | 642.6 |
| 65° | 120.7 | 178.3 | 256.3 | 325.0 | 386.3 | 436.4 | 471.8 | 488.5 | 494.0 | 492.2 | 488.5 |
| 67.5° | 89.2 | 133.7 | 191.3 | 243.3 | 287.9 | 326.9 | 345.5 | 360.3 | 364.0 | 358.5 | 352.9 |
| 70° | 63.2 | 98.4 | 139.3 | 174.6 | 208.0 | 230.3 | 250.7 | 252.6 | 252.6 | 250.7 | 247.0 |
| 72.5° | 44.6 | 68.7 | 94.7 | 118.9 | 139.3 | 156.0 | 163.4 | 169.0 | 167.1 | 165.3 | 161.6 |
| 75° | 29.7 | 42.7 | 68.7 | 74.3 | 92.8 | 98.4 | 105.9 | 105.9 | 107.7 | 102.2 | 102.2 |
| 77.5° | 18.6 | 29.7 | 40.9 | 48.3 | 55.7 | 63.2 | 66.8 | 66.8 | 68.7 | 66.8 | 66.8 |
| 80° | 11.1 | 18.6 | 22.3 | 33.4 | 33.4 | 39.0 | 40.9 | 42.7 | 39.0 | 44.6 | 39.0 |
| 82.5° | 7.4 | 11.1 | 16.7 | 16.7 | 20.4 | 24.1 | 24.1 | 26.0 | 26.0 | 24.1 | 24.1 |
| 85° | 5.6 | 7.4 | 9.3 | 11.1 | 11.1 | 13.0 | 11.1 | 11.1 | 13.0 | 14.9 | 13.0 |
| 87.5° | 1.9 | 3.7 | 1.9 | 3.7 | 3.7 | 7.4 | 5.6 | 5.6 | 5.6 | 7.4 | 7.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P248390

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 3499.1 | 3499.1 | 3499.1 | 3499.1 |
| 2.5° | 3502.8 | 3504.7 | 3502.8 | 3502.8 |
| 5° | 3519.5 | 3517.7 | 3519.5 | 3515.8 |
| 7.5° | 3532.5 | 3532.5 | 3530.7 | 3530.7 |
| 10° | 3532.5 | 3525.1 | 3525.1 | 3525.1 |
| 12.5° | 3504.7 | 3495.4 | 3489.8 | 3486.1 |
| 15° | 3456.4 | 3439.7 | 3432.2 | 3430.4 |
| 17.5° | 3393.2 | 3378.4 | 3369.1 | 3363.5 |
| 20° | 3320.8 | 3305.9 | 3294.8 | 3296.7 |
| 22.5° | 3257.6 | 3240.9 | 3233.5 | 3229.8 |
| 25° | 3194.5 | 3174.1 | 3168.5 | 3164.8 |
| 27.5° | 3092.3 | 3081.2 | 3075.6 | 3070.1 |
| 30° | 2936.3 | 2930.7 | 2921.5 | 2934.5 |
| 32.5° | 2756.2 | 2746.9 | 2739.5 | 2745.1 |
| 35° | 2557.5 | 2551.9 | 2557.5 | 2553.7 |
| 37.5° | 2375.5 | 2381.0 | 2388.5 | 2392.1 |
| 40° | 2232.4 | 2252.9 | 2260.3 | 2264.0 |
| 42.5° | 2089.4 | 2113.6 | 2128.4 | 2137.7 |
| 45° | 1913.0 | 1937.1 | 1953.8 | 1965.0 |
| 47.5° | 1731.0 | 1751.4 | 1768.1 | 1766.3 |
| 50° | 1565.7 | 1576.8 | 1584.2 | 1591.7 |
| 52.5° | 1398.5 | 1398.5 | 1400.4 | 1400.4 |
| 55° | 1209.1 | 1205.4 | 1203.5 | 1205.4 |
| 57.5° | 1001.0 | 997.4 | 995.5 | 989.9 |
| 60° | 811.6 | 800.5 | 793.0 | 793.0 |
| 62.5° | 635.2 | 622.2 | 616.6 | 614.8 |
| 65° | 477.3 | 475.4 | 464.3 | 462.4 |
| 67.5° | 345.5 | 338.0 | 330.6 | 332.5 |
| 70° | 243.3 | 232.2 | 232.2 | 228.4 |
| 72.5° | 157.9 | 152.3 | 150.4 | 150.4 |
| 75° | 98.4 | 98.4 | 94.7 | 102.2 |
| 77.5° | 65.0 | 65.0 | 63.2 | 65.0 |
| 80° | 39.0 | 39.0 | 39.0 | 37.1 |
| 82.5° | 24.1 | 26.0 | 24.1 | 24.1 |
| 85° | 13.0 | 14.9 | 11.1 | 16.7 |
| 87.5° | 7.4 | 9.3 | 7.4 | 9.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)